



#6

# SEQUENCE LISTING

<110> Schneider, Luke V.  
Hall, Michael P.  
Petesch, Robert  
Target Discovery, Inc.

<120> Mass Defect Labeling for the Determination of Oligomer Sequences

<130> 020444-000710US

<140> US 10/035,349  
<141> 2001-10-19

<150> US 60/242,165  
<151> 2000-10-19

<150> US 60/242,398  
<151> 2000-10-19

<160> 13

<170> PatentIn Ver. 2.1

<210> 1  
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<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:true N-terminal horse apomyoglobin (Myo) sequence

<220>  
<221> MOD\_RES  
<222> (1)  
<223> Xaa = Gly labeled with 5-bromo-3-pyridylacetic acid (5-Br-3-PAA)

<400> 1  
Xaa Leu Ser Asp Gly Glu  
1 5

<210> 2  
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<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:competing 5 residue false sequence, top ranked sequence at five residues

<220>  
<221> MOD\_RES  
<222> (1)  
<223> Xaa = Gly labeled with 5-bromo-3-pyridylacetic acid (5-Br-3-PAA)

<400> 2  
Xaa Leu Ser Asp Trp  
1 5

<210> 3  
<211> 30  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:sequence  
carrying cloned unknown DNA sequence

<400> 3  
tcagtgtctgc tgcaacatgt tacaggaaat 30

<210> 4  
<211> 18  
<212> DNA  
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<221> modified\_base  
<222> (1)  
<223> n = ribosyl adenosine

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<223> Description of Combined DNA/RNA Molecule:M13  
origin of replication primer labeled at the 5' end  
with ribosyl adenosine

<220>  
<223> Description of Artificial Sequence:M13 origin of  
replication primer labeled at the 5' end with  
ribosyl adenosine

<400> 4  
ntgttgcagc agcactga 18

<210> 5  
<211> 12  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:DNA fragment  
from mass ladder produced by chain termination

<400> 5  
caatgtcctt ta 12

<210> 6  
<211> 11  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:DNA fragment  
from mass ladder produced by chain termination

<400> 6

caatgtcctt t

11

<210> 7

<211> 10

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:DNA fragment  
from mass ladder produced by chain termination

<400> 7

caatgtcctt

10

<210> 8

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:competing 5  
residue false sequence, top ranked sequence at  
five residues

<400> 8

Gly Leu Ser Asp Trp

1

5

<210> 9

<211> 6

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence:true N-terminal  
horse apomyoglobin (Myo) sequence

<400> 9

Gly Leu Ser Asp Gly Glu

1

5

<210> 10

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:cloned unknown  
DNA sequence

<400> 10

gttacaggaa at

12

<210> 11  
<211> 12  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:sequence  
determined from mass spectral data analysis

<400> 11  
atttcctgta ac

12

<210> 12  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:true ubiquitin  
N-terminal sequence

<400> 12  
Met Gln Ile Phe Val Lys  
1 5

<210> 13  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:first ranked  
competing possibility at fifth residue

<400> 13  
Met Gln Ile Phe Arg  
1 5